

Test beam studies of light yield, time and coordinate resolutions of scintillation detector prototype with SiPM readout for space-based gamma-telescope GAMMA-400

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Prototype detector based on long BC-408 scintillators with SiPM readout for space-based gamma-telescope GAMMA-400 was tested in 100-300 MeV secondary positron beam of synchrotron C-25P «PAKHRA» of Lebedev Physical Institute. The measurement setup, design concepts for the prototype detector and chosen solutions together with some test results are discussed.

Primary author(s) : BAKALDIN, Alexey (Scientific Research Institute of System Analysis of the Russian Academy of Sciences); LEONOV, Alexey (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)); Mr. ARKHANGELSKIY, Andrey (NRNU MEPhI); Prof. GALPER, Arkady; CHASOVNIKOV, Evgeniy (National Research Nuclear University "MEPhI" (Moscow Engineering Physics Institute)); ARKHANGELSKAJA, Irene (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)); KHEYMITS, Maxim (NRNU MEPhI); RUNTSO, Michael (NRNU MEPhI); Dr. PAPPE, N.Yu. (LPI RAS); Dr. TOPCHIEV, Nikolay; Prof. DALKAROV, Oleg; SUCHKOV, Sergey (Lebedev Physical Institute); Prof. STOZHKOVA, Yuri; YURKIN, Yury (NRNU MEPhI)

Presenter(s) : Mr. ARKHANGELSKIY, Andrey (NRNU MEPhI)

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